

STN SEARCH TRANSCRIPT 10/632,148

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 NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
 NEWS 4 OCT 28 KOREAPAT now available on STN
 NEWS 5 NOV 30 PHARX now available with additional data
 NEWS 6 DEC 01 LISA now available on STN
 NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
 NEWS 8 DEC 15 MEDLINE update schedule for December 2004
 NEWS 9 DEC 17 EICOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
 NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
 NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
 NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
 NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFINDB/IFICDB
 NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
 NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
 NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and February 2005
 NEWS 17 JAN 11 CA/CAPLUS - Expanded patent coverage to include Russia (Federal Institute of Industrial Property)

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0C(BNG) AND V6.0UC(CP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 11:42:44 ON 18 JAN 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 11:43:34 ON 18 JAN 2005
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STRUCTURE FILE UPDATES: 16 JAN 2005 HIGHEST RN 814917-78-7
 DICTIONARY FILE UPDATES: 16 JAN 2005 HIGHEST RN 814917-78-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crosscover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBS/registries.html>

=> s dimethyl carbonate/cn
 L1 1 DIMETHYL CARBONATE/CN

=> file caplus	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS	5.03	5.45
FULL ESTIMATED COST		

FILE 'CAPLUS' ENTERED AT 11:43:44 ON 18 JAN 2005
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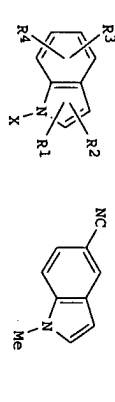
FILE COVERS 1907 - 18 JAN 2005 VOL 142 ISS 4
 FILE LAST UPDATED: 17 JAN 2005 (20050117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11	4886 L1
L2	
=> s 12 and methylla?	
L3	231095 METHYLA?
	285 L2 AND METHYLLA?

=> s 13 and (7imidazo?, piperazine, morpholine, heterocycl?, azoles, azeplin?)
 155409 7IMIDAZO?
 25605 PIPERAZINE
 26429 PIPERAZINE
 31092 MORPHOLINE
 1160 MORPHOLINES
 31546 MORPHOLINE
 (MORPHOLINE OR MORPHOLINES)
 138509 HETEROCYCL?
 2677 AZOLES
 10102 AZEPIN?
 0 7IMIDAZO?, PIPERAZINE, MORPHOLINE, HETEROCYCL?, AZOLES, AZEPIN?
 (7IMIDAZO? (W) PIPERAZINE (W) MORPHOLINE (W) HETEROCYCL? (W) AZOLES (W) AZEPIN?)
 L4 0 L3 AND (7IMIDAZO?, PIPERAZINE, MORPHOLINE, HETEROCYCL?, AZOLES, AZEPIN?)
 155409 7IMIDAZO?
 25605 PIPERAZINE
 26429 PIPERAZINE
 31092 MORPHOLINE
 1160 MORPHOLINES
 31546 MORPHOLINE
 (MORPHOLINE OR MORPHOLINES)
 138509 HETEROCYCL?
 2677 AZOLES
 10102 AZEPIN?
 0 7IMIDAZO?, PIPERAZINE, MORPHOLINE, HETEROCYCL?, AZOLES, AZEPIN?
 (7IMIDAZO? (W) PIPERAZINE (W) MORPHOLINE (W) HETEROCYCL? (W) AZOLES (W) AZEPIN?)
 L5 0 L3 AND (7IMIDAZO?, PIPERAZINE, MORPHOLINE, HETEROCYCL?, AZOLES, AZEPIN?)
 => s 13 and nitrogen?
 580419 NITROGEN?
 L6 12 L3 AND NITROGEN?
 => d 1-12 ibib abs
 L6 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:510185 CAPLUS
 DOCUMENT NUMBER: 141:54061
 TITLE: Process and catalysts for the synthesis of mono-N-substituted functionalized anilines from anilines and carbonate esters
 Selva, Maurizio; Tundo, Pietro
 Consorzio Interuniversitario Nazionale la Chimica per l'Ambiente, Italy
 Eur. Pat. Appl., 13 pp.
 CODEN: EPXNDW
 Patent
 English
 1
 PATENT NO. KIND DATE APPLICATION NO. DATE
 EP 1431274 A1 20040623 EP 2003-29005 20031216

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 US 2004127747 A1 20040701 IT 2002-PD325 A 20031215
 PRIORITY APPL. INFO.: CASREACT 141:54061; MARPAT 141:54061
 OTHER SOURCE(S):
 AB A process for direct and selective synthesis of mono-N-substituted functionalized anilines (e.g., 4-(methylanilino)phenol) comprises the alkylation of anilines (e.g., 4-hydroxyaniline) with organic carbonates in the presence of faujasite-type zeolite catalysts that are chemical exchanged with alkali metals (e.g., sodium).
 REFERENCE COUNT: 7
 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
 L6 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:252226 CAPLUS
 DOCUMENT NUMBER: 140:270733
 TITLE: Preparation of N-methyl and N-benzylindoles via the DABCO catalyzed N-alkylation of indoles with dimethyl or dibenzyl carbonate
 Dell, Steven; Lozanov, Mario Emilov; Shieh, Wen-Chung
 U.S. Pat. Appl. Publ., 10 pp.
 CODEN: USXXCO
 Patent
 English
 1
 INVENTOR(S):
 PATENT ASSIGNEE(S):
 SOURCE:
 DOCUMENT TYPE:
 FAMILY ACC. NUM. COUNT:
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 US 2004059131 A1 20040325 US 2003-620625 20030716
 US 2005010055 A1 20050113 US 2004-517058 20040812
 PRIORITY APPL. INFO.: US 2002-396827P 20020718
 US 2003-620625 A3 20030716
 OTHER SOURCE(S): CASREACT 140:270733; MARPAT 140:270733
 GI



AB Title compds. I [X = Me, benzyl, R1, R2, R3, R4 = H, halo, CN, etc.] were prepared via the DABCO catalyzed N-alkylation of indoles with di-Me or dibenzyl carbonate. For example, N-methylation of 3-cyanoindole with di-Me carbonate in the presence of DABCO heated to reflux for 8 h, afforded methylindole II in 98% yield. A solution of 3-cyanoindole (7.03 mmol) in di-Me carbonate (10 mL) and DABCO (0.70 mmol) was heated to reflux for 8 h. The reaction is cooled to RT, diluted with EtOAc and after aqueous workup, afforded Me indole II in 98% yield. Approx., 8-examples of compds. I were prepared in 95-99% yields. Of note, the methylation and benzylation of the indole nitrogen may be conducted in the absence or the presence of an ionic liquid, under microwave irradiation or utilizing conventional heat, or combinations thereof.

L6 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

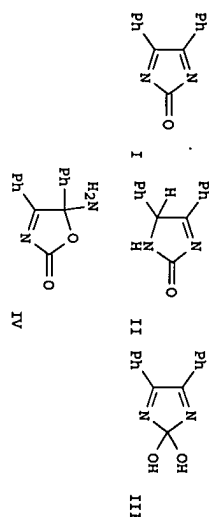
ACCESSION NUMBER: 2004.97229 CAPLUS
DOCUMENT NUMBER: 140:146165
TITLE: Process for the monomethylation of nitrogen containing heterocycles with dimethyl carbonate
INVENTOR(S): Bortoloni, Elisabetta; Chabaud, Bernard; Gaset, Antoine; Ouk, Samey; Thiebaud-Roux, Sophie
PATENT ASSIGNEE(S): SNPE, Fr.
SOURCE: Eur. Pat. Appl., 7 pp.
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: EPXDM

APPLICANTS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1386916	A1	20040204	EP 2003-291763	20030716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
FR 2843114	B1	20040910	FR 2002-9820	20020801
CA 2434481	AA	20040201	CA 2003-2434481	20030722
JP 2004067681	A2	20040304	JP 2003-281369	20030728
US 2004024205	A1	20040205	US 2003-632148	20030731
PRIORITY APPL. INFO:			FR 2002-9820	A 20020801

OTHER SOURCE(S): CASREACT 140:146165
AB A procedure for the monomethylation of nitrogen containing heterocycles, containing at least one nitrogen atom connected to a hydrogen, with MeOCO2Me is characterized in that the reaction is carried out between 100° and 200° and at a pressure between 0.93 x 105 Pa and 1.07 x 105 Pa and that the MeOH, produced during the course of the reaction, is removed continuously. Thus, 1-methylimidazole was prepared in 98% yield from imidazole and MeOCO2Me in a reactor at 170° with continuous removal of MeOH.
REFERENCE COUNT: 3
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:536602 CAPLUS
DOCUMENT NUMBER: 137:216608
TITLE: Photosensitized Oxidation of 13C, 15N-labeled Imidazole Derivatives
AUTHOR(S): Kang, Ping; Foote, Christopher S.
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of California, Los Angeles, CA, 90095-1569, USA
SOURCE: Journal of the American Chemical Society (2002), 124(32), 9629-9638
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:216608
GI



AB An efficient synthesis of imidazoles with isotope labeling at different positions of the five-membered ring was developed. The authors carried out a detailed mechanistic study of the photosensitized oxidation of isotope-labeled imidazole derivs. A new product, CO2, was observed in the photocyclan. of 2-H, 15-N, 13-C imidazoles, but not in 2-substituted imidazoles. The C of CO2 derives from the 2C of imidazole. As shown by 18O expts., both O atoms of CO2 originate mainly from one mol. of O. Transient intermediates were detected by low-temperature NMR in the photosensitized oxidation

of the isotope-labeled imidazoles. Quant. anal. of the 13C NMR at different temps. and times correlates the formation of one intermediate with the loss of another, thus allowing the complete decomposition pathway of the transient intermediates to be established. Singlet O reacts with 4,5-diphenylimidazole via a [4 + 2] cycloaddn. to form a 2,5-endoperoxide, which upon warming, decomps. to a hydroperoxide. The hydroperoxide in one pathway loses water to form an imidazolone 1, which is hydrolyzed to a hydroxylimidazol-2-one II. In another pathway, the hydroperoxide rearranges to diol III. The diol rearranges to a carbamate IV by opening and reclosing the five-membered ring. IV decomps. to CO2 and benzil dithione. A labile NH in the imidazole is crucial for the decomposition of the initially formed endoperoxide, otherwise the endoperoxide decomps. to regenerate starting material. Many similarities exist between the photooxids. of imidazole and guanosine in organic solvent, suggesting that the two reactions share a similar reaction mechanism with singlet O.
REFERENCE COUNT: 31
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:847229 CAPLUS
DOCUMENT NUMBER: 136:118057
TITLE: 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) and Microwave-Accelerated Green Chemistry in Methylation of Phenols, Indoles, and Benzimidazoles with Dimethyl Carbonate
AUTHOR(S): Shieh, Wen-Chung; Dell, Steven; Repic, Olgan
CORPORATE SOURCE: Chemical and Analytical Development, Novartis Institute for Biomedical Research, East Hanover, NJ, 07936, USA
SOURCE: Organic Letters (2001), 3(26), 4279-4281
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:118057

AB 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) is a novel and active catalyst in promoting the methylation reaction of phenols, indoles, and benzimidazoles with di-me carbonate under mild conditions. Addtl. rate enhancement is accomplished by applying microwave irradiation by incorporating tetraabutylammonium iodide, the same microwave reactions can

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be further accelerated. By combining these acceleration strategies, very slow chemical transformations that take up to several days can be performed efficiently in high yield within minutes.
THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS
REFERENCE COUNT: 28
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESSION NUMBER: 1999-811332 CAPLUS
DOCUMENT NUMBER: 132:66473
TITLE: Fuel compositions employing catalyst combustion structure
INVENTOR(S): Orr, William C.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 133 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9966009	A2	19991223	WO 1999-US13751	19990617
WO 9966009	A3	20000302		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RU: CH, CM, KE, LS, MM, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BD, CF, CG, CI, CM, GA, GM, GW, KE, MG, MR, NE, SN, TD, TG				
CA 2310056	AA	19991223	CA 1999-2310056	19990617
EP 1051461	A2	20001115	EP 1999-928773	19990617
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
US 1998-98879				
WO 1999-US13751				
W 19990617				

PRIORITY APPL. INFO.:
AB This invention relates to a fuel composition relating to a broad spectrum of pollution reducing, improved combustion performance, and enhanced stability fuel compns. for use in jet, aviation, turbine, diesel, gasoline, and other combustion applications. More particularly, the present invention relates to metallic vapor phase combustion fuel compns. employing certain co-combustion agents, including trimethoxymethylsilane.

L6 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESSION NUMBER: 1997-436454 CAPLUS
DOCUMENT NUMBER: 127:50642
TITLE: Preparation of N-methylimidazole derivatives
INVENTOR(S): Kiso, Hiroyuki; Nagai, Yasuyuki; Hara, Yasushi
PATENT ASSIGNEE(S): Tosoh Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKKXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09169737	A2	19970630	JP 1995-333139	19951221
PRIORITY APPL. INFO.: MARPAT 127:50642			JP 1995-333139	19951221
OTHER SOURCE(S):				
AB Claimed is a method for preparation of N-methylimidazole derivs. by reacting imidazole derivs. with di-me carbonate at 120 to 200°. DI-Me				

carbonate 49.6 g (0.55 mol) was added over 6 h to 2-methylimidazole 41.1 g (0.5 mol) at 160° under nitrogen atmosphere. Upon completion of addition of di-me carbonate, the reaction was allowed to proceed for a further 2 h to obtain 94% conversion of 2-methylimidazole and 92% selectivity for 1,2-dimethylimidazole. In a reference example, the above reaction was carried out at 90° for 8 h to obtain 25% conversion of 2-methylimidazole.

L6 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESSION NUMBER: 1995:969471 CAPLUS
DOCUMENT NUMBER: 124:8245
TITLE: Methylation of organic compounds using dimethyl carbonate.
INVENTOR(S): Fischer, Rolf
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 11 pp.
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 671379	A1	19950913	EP 1995-102942	19950302
EP 671379	B1	19970813		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
DE 4407495	A1	19950914	DE 1994-4407495	19940307
CA 2143348	AA	19950908	CA 1995-2143348	19950224
ES 2107260	T3	19971116	ES 1995-102942	19950302
JP 07258192	A2	19951009	JP 1995-47544	19950307
US 5739375	A	19980414	US 1997-832850	19970404
DE 1994-4407495			DE 1994-4407495	19940307
US 1995-366718			US 1995-366718	19950301
B1 19950301				

PRIORITY APPL. INFO.:
OTHER SOURCE(S):
AB MeCR12X (R1, R2 = H, organic residue; R2 = CO2R3, cyano; X = COR3, CO2R3, CORN2, cyano, SO2R4; R3 = H, alkyl; R4 = alkyl; R1R4 = alkylene, alkenylene), were prepared by treatment of R1R2CHX or R1CHXY (Y = COR3, CO2R3) with (MeO)2CO in the presence of a nitrogenous base. Thus, valerionitrile was heated with (MeO)2CO and EtMe2N for 5 h at 200° to give 43% 2-methylvalerionitrile.

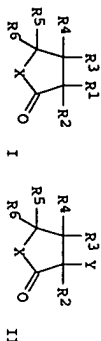
L6 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESSION NUMBER: 1994:533948 CAPLUS
DOCUMENT NUMBER: 121:133948
TITLE: Process for the preparation of methylated or hydroxyethylated 5-membered heterocycles
INVENTOR(S): Fischer, Rolf; Pinkos, Rolf
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 602515	A1	19940622	EP 1993-119734	19931208
EP 602515	B1	19980715		
R: BE, CH, DE, FR, GB, LI, NL				
DE 4242451	A1	19940623	DE 1992-4242451	19921216
US 5453516	A	19950926	US 1993-165463	19931213
PRIORITY APPL. INFO.: MARPAT 121:133948			DE 1992-4242451	19921216
OTHER SOURCE(S):				

✓ IN IDS
(NOT CONTINUOUS)

✓ WILL MAKE 103

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AB The title compds. (I; R1 = Me, hydroxyethyl; R2-R6 = H, C1-12 alkyl, C2-12 alkenyl, aryl, halogen, etc.; X = O, NR4) are readily prepared by reacting heterocycle II (Y = H, acetyl, C2-20 alkoxy-carbonyl) with di-Me carbonate or ethylene carbonate in the presence of a N-containing base at 50-300°/0.01-50 bar. Thus, 4-methylbutyrolactone, di-Me carbonate, and NMe3 were reacted at 200° in an autoclave for 5 h, producing 2,4-dimethylbutyrolactone (b.p. 70-74°/10 mbar) in 74% yield.

L6 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:538758 CAPLUS
DOCUMENT NUMBER: 119:138758

TITLE: Preparation of dialkyl carbonates from cyclic carbonates and alcohols
INVENTOR(S): Fukunaka, Shinsuke; Komya, Kyosuke
PATENT ASSIGNEE(S): Asahi Chemical Ind, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05078284	A2	19930330	JP 1991-266844	19910919
JP 3016289	B2	20000306	JP 1991-266844	19910919

PRIORITY APPLN. INFO.: CASREACT 119:138758
OTHER SOURCE(S):

AB Dialkyl carbonates are prepared by treatment of cyclic carbonates with alcs. in the presence of solid (partially) quaternized N-containing heterocycles as catalysts. Ethylene carbonate and MeOH were passed through a column packed with N-methylated divinylbenzene-4-vinylpyridine copolymer (quaternization ratio .apprx.70%) at 7 kg/cm2 and 80° to give di-Me carbonate and trace high-b.p. substances, vs. remarkable high-b.p. substances, when tertiary aliphatic amine catalyst was used instead.

L6 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:235069 CAPLUS
DOCUMENT NUMBER: 116:235069

TITLE: Preparation of nitrogen-containing compounds by decarboxylation over mixed metal oxide catalysts
INVENTOR(S): King, Stephen Wayne; Ream, Bernard Claude
PATENT ASSIGNEE(S): Union Carbide Chemicals and Plastics Co., Inc., USA
SOURCE: Eur. Pat. Appl., 17 pp.

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 480493	A2	19920415	EP 1991-202433	19910919
EP 480493	A3	19921125		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
US 5220069	A	19930615	US 1990-585456	19900920
CA 2051594	AA	19920321	CA 1991-2051594	19910917
AU 9184636	A1	19920326	AU 1991-84636	19910919
JP 06025109	A2	19940201	JP 1991-266880	19910919
PRIORITY APPLN. INFO.: MARPAT 116:235069			US 1990-585456	19900920
OTHER SOURCE(S):				

AB RNM2 or RNMH (R, R1 = organic residue) were prepared by contacting a carboxylated N-containing compound with a mixed metal oxide catalyst, e.g., MgO-Al2O3. The carboxylated N-containing compds. were obtained from NH3 or N-containing compds. and a CO2 synthon. Thus, NM3 and propylene carbonate were converted to monoisopropanolamine.

L6 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:135528 CAPLUS
DOCUMENT NUMBER: 116:135528

TITLE: Performance-oriented packaging standards; changes to classification, hazard communication, packaging and handling requirements based on UN standards and agency initiative
CORPORATE SOURCE: United States Dept. of Transportation, Washington, DC, 20590-0001, USA
SOURCE: Federal Register (1990), 55(246), 52402-729, 21 Dec 1990

DOCUMENT TYPE: Journal
LANGUAGE: English
CODEN: FEREC; ISSN: 0097-6326

AB The hazardous materials regulations under the Federal Hazardous Materials Transportation Act are revised based on the United Nations recommendations on the transport of dangerous goods. The regulations cover the classification of materials, packaging requirements, and package marking, labeling, and shipping documentation, as well as transportation modes and handling, and incident reporting. Performance-oriented stds. are adopted for packaging for bulk and nonbulk transportation, and SI units of measurement generally replace US customary units. Hazardous material descriptions and proper shipping names are tabulated together with hazard class, identification nos., packing group, label required, special provisions, packaging authorizations, quantity limitations, and vessel stowage requirements.

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L7 277 U3 NOT L6

=> s 17 and heterocyc?
L8 138567 HETEROCCYC?
24 L7 AND HETEROCCYC?

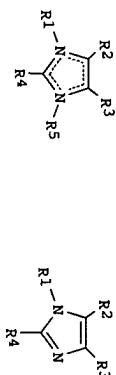
=> d 1-24 1b1b abs

L8 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:370902 CAPLUS
DOCUMENT NUMBER: 140:375065

TITLE: Preparation of 2-oxo-1-phenylpyrrolidine-3-carboxamides as herbicides.
INVENTOR(S): Reinhard, Robert; Hamprecht, Gerhard; Puhl, Michael; Seitz, Werner; Parra Rapado, Lilliana; Scannell-Lansky, Anneget; Grossmann, Klaus; Schiffer, Helmut; Wittebel, Mattheas; Zaggar, Cyril; Landes, Andreas; Rack, Michael
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

DOCUMENT TYPE:	CODEN: EPXXDXM
LANGUAGE:	Patent
FAMILY ACC. NUM. COUNT:	German
PATENT INFORMATION:	1

EP 1396318
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK, PL,
 DE 10241555
 AI 20040318
 DE 2002-10241555
 DE 2002-10241555
 CASREACT 140:270850; MARPAT 140:270850
 A 20020907
 PRIORITY APPLN. INFO.:
 OTHER SOURCE(S):
 GI



AB

A procedure for conducting a chemical reaction in the liquid phase through conversion of the substrate in the presence of: (a) a catalyst (a complex containing Ru, Os, Co, Rh, Ir, Ni, Pd, Pt, Ti, Zr, V, Mn or Sc); (b) a 1,3-substituted imidazolium salt [$[I+ \cdot A-a-1/a]$, cycloalkyl, aryl, alkyl], (un)saturated C β -30-alkyl], cycloalkyl, aryl, alkyl], (un)saturated C α -30-alkyl], cycloalkyl, aryl, alkyl], heterocycl], heteroaryl]; R $_2$, R $_3$, R $_4$ = H, halogen functional group; R $_{1R}$, R $_{1R}$, R $_{1R}$, R $_{2R}$ can be connected; Po-3, HPo-4, ZHPo-4, NO $_2^-$, NO $_3^-$, SO $_4^{2-}$, HSO $_4^-$, CO $_3^{2-}$, HCO $_3^-$, AcO $^-$, PF $_6^-$, SbF $_6^-$, tetraammonium borate, BRARbrcd [Ra, Rb Rc, Rd = F, (un)saturated, (un)saturated C β -30-alkyl], cycloalkyl, aryl, alkyl], {Re = (un)saturated C β -30-alkyl], cycloalkyl, aryl, alkyl]}, {Rf = H (un)saturated, (un)saturated C β -30-alkyl], cycloalkyl, aryl, alkyl]} etc.] (with a mp $\leq 200^\circ$ at normal pressure), presented I is prepared (i) from imidazole Pils reaction with carbonic acid diester, Cl(OR) $_2$, at a temperature of 10 - 350° and a pressure of 0.01 to 5 MPa; and (ii) reaction of the latter with HA or its salt at a temperature of -80 to 200° and a pressure of 0.001 to 1 MPa. Thus, 1-butyl-3-methylimidazolium tetraborozole was prepared from Et $_2$ O, 1-butylimidazole via reaction with MeOZC=O in MeOH, followed by HF $_4$ in Et $_2$ O; the latter was then used in the synthesis of PhC $_6$ H $_4$ Me-4-via Suzuki coupling of BrC $_6$ H $_4$ Me-4 with PhH(OH) $_4$ in the presence of Pd(PPh) $_3$ in H $_2$ O containing Na $_2$ CO $_3$.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS

RfCOO2

L8 ANSWER 3 OF 24
 ACCESSION NUMBER:
 DOCUMENT NUMBER:
 TITLE:
 INVENTOR(S) :
 PATENT ASSIGNEE(S) :
 SOURCE:

CAPUS COPYRIGHT 2005 ACS on STN
 2003:590882 CAPUS
 139:133347
 Microwave irradiation process for preparing methyl
 carboxylate esters from carboxylate salts or
 carboxylic acids and dimethyl carbonate
 Shieh, Wen-Chung; Dell, Steven
 Novartis Ag, USA
 U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S.

1

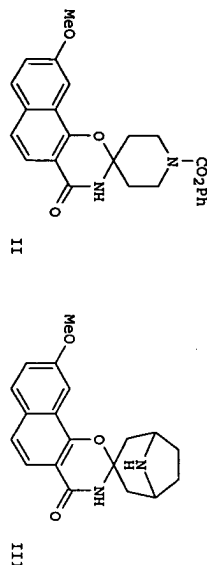
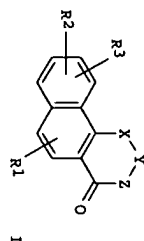
receptor with IC₅₀ of 0.972 μmol/L.

E: Preparatio

PCT Int. Appl., 163 pp.

ADDITIONAL INFORMATION:

A



AB 1,3-Oxazine-, 1,3-thiazine-, pyran-, 1,4-oxazepine-, and 1,4-thiazepine-fused naphthalene compds. represented by the general formula (I) or pharmaceutically acceptable salts, hydrates or solvates thereof (wherein R1 = H, (un)substituted Cl-6 alkyl, halo, NO2, NH2, CO2H, (un)substituted aryl, optionally benzene-fused 5- or 6-membered aromatic or saturated heterocyclyl containing 1-3 heteroatoms selected from N, S, and O, (un)substituted aryl-carbonylamino; R2, R3 = H, Cl-6 alkyl or alkoxy, halo, NH2, Cl-6 alkylamino, di(Cl-6 alkyl)amino, no, cyano, CONH2, CONH2, C2-7 alkylcarbonylamino, C3-13 alkoxy-carbonylaminoalkoxy, Cl-6 aminoalkoxy, C3-13 alkylcarbonylaminoalkoxy; X = O, S; Y = CR4R5, CR4R5CH2, CH2CR4R5 (wherein R4, R5 = H, Cl-6 alkyl, CO2H, C2-6 alkoxy-carbonyl, optionally substituted aryl, C2-7 alkoxy-carbonylalkyl, hydroxyalkyl, C3-7 cycloalkyl-alkyl, arylalkyl, etc.); Z = CH2, (un)substituted NH; one proviso applied) are prepared. These compds. I exhibit anti-HIV activity and inhibit the proliferation of HIV during the latent period from HIV infection to onset of AIDS and are useful in the treatment of AIDS either in combinations of reverse transcriptase inhibitors and/or protease inhibitors and/or integrase inhibitors for highly active antiretroviral therapy (HAART) or after interruption of therapy against reverse transcriptase or protease-resistant virus. Thus, a suspension of 900 mg 1-hydroxy-7-methoxynaphthalene-2-carboxamide, 2.41 g benzyl 4-oxopiperidinecarboxylate, and 788 mg p-MeC6H4SO3H.2H2O in 9 mL toluene was heated at 120° for 1 h to give, after workup, 74% 6-methoxy-2-aza-4-oxaphenanthrene-1-one-3-spiro-4'-(1'-benzoxycarbonyl)piperidine (II). II and the compound (III) showed IC50 of 0.11 and <0.0016 µM, resp., for inhibiting the proliferation of OM10.1 cell (HU-60 cell clone transfected with one copy of HIV-1 gene).

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

18 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2003:153395 CAPLUS
 DOCUMENT NUMBER: 138:194942
 TITLE: Polymer electrolytes and their use in galvanic cells
 INVENTOR(S): Schmidt, Michael; Ott, Frank; Geisler, Wilfried
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany
 SOURCE: Ger. Offen., 14 pp.
 CODEN: GMMXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10139409	A1	20030227	DE 2001-10139409	20010817
WO 2003017409	A2	20030227	WO 2002-EP8287	20020725
WO 2003017409	A3	20040512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TG, UG, ZM, ZW, AM, AZ, BY, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GT, ML, MR, NE, NG, NI, NO, TN, TD, TG				
EP 1417726	A2	20040512	EP 2002-760270	20020725
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, IV, FI, RO, MK, CY, AT, TR, BG, CZ, EE, SK, JP 200500432	T2	20050106	JP 2003-522206	20020725
US 2004209124	A1	20041021	US 2004-467020	20040217
PRIORITY APPLN. INFO.:			DE 2001-10139409	A 20010817
			WO 2002-EP8287	W 20020725

AB The invention concerns the preparation and applications of mixts. from borate or phosphate salts, in particular spiroborate or spirophosphate salts, and polymers and their use in electrolytes, batteries, capacitors, supercapacitors and galvanic cells. The several groups of compds. which could be synthesized are described. An effect of the substituent and solvent on the polymer electrolyte mixts. is pointed out.

18 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2003:133258 CAPLUS
 DOCUMENT NUMBER: 138:170089
 TITLE: Preparation of 1-benzazocine-5-carboxamides and related bicyclic compounds as CCR-5 antagonists for use against HIV infections and other diseases
 INVENTOR(S): Shiraiishi, Mitsuru; Baba, Masanori; Aikawa, Katsuji; Kanazaki, Naoyuki; Seto, Masaki; Iizawa, Yuji
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
 SOURCE: PCT Int. Appl., 318 pp.
 CODEN: PIXX2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003014105	A1	20030220	WO 2002-JP8043	20020807
WO 2003014105	C2	20031120		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TG, UG, ZM, ZW, AM, AZ, BY, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GT, ML, MR, NE, NG, NI, NO, TN, TD, TG				
JP 2003335776	A2	20031128	JP 2002-229532	20020807
EP 1423376	A1	20040602	EP 2002-762751	20020807
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GM, GN, GW, ML, MR, NE, SN, TD, TG

CA 2373073 A1 20001116 CA 2000-2373073 20000428

JP 2001026586 A2 20010130 JP 2000-114249 20000428

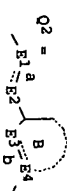
EP 1182195 A1 20020227 EP 2000-921096 20000428

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

US 6627651 B1 20030930 US 2001-980773 20011102

PRIORITY APPLN. INFO.: JP 1999-127724 A 19990507

OTHER SOURCE(S): MARPAT 133:362714 WO 2000-JP2825 W 20000428



AB Compd. of general formula R1-X1-W-X2-Z1-Z2-R2 or salts thereof [wherein R1 is an optionally substituted five- or six-membered ring group; X1 is a free valency or divalent group having 1-4 C atoms in the straight chain moiety; W is a divalent group represented by general formula Q, Q1, or Q2 (wherein A and B are each an optionally substituted five- to seven-membered ring; E1 and E4 are each optionally substituted carbon or N; E2 and E3 are each optionally substituted carbon or N, O, or optionally oxidized S; and a and b are each a single bond or a double bond); X2 is a divalent group constituting a C1-4 straight chain moiety; Z1 is a single bond or a divalent cyclic group; Z2 is a free valency or divalent group having 1-4 C atoms in the straight chain moiety; and R2 is (1) optionally substituted, quaternized, or oxidized amino, (2) optionally substituted N-containing heterocyclic, optionally containing S or O and optionally quaternized or oxidized at the N atom, (3) group bonding through S atom, etc.] are prepared. These compds. exhibit preventive and therapeutic effects against HIV infections or AIDS. Thus, chlorination of 7-[(2-propoxyphenyl)oxy]-1,1-dioxo-2,3-dihydro-1-benzothiepin-4-carboxylic acid by SOCl2 in the presence of one drop of DMF at room temperature for 1 h followed by condensation with 4-[(N-methyl-N-(tetrahydropyran-4-yl)amino)methyl]aniline in the presence of Et3N in THF at room temperature for

days gave N-[4-[(N-methyl-N-(tetrahydropyran-4-yl)amino)methyl]phenyl]-7-[(2-propoxyphenyl)oxy]-1,1-dioxo-2,3-dihydro-1-benzothiepin-4-carboxamide (I). I in vitro inhibited the binding of 125I-RANTES to recombinant CCR5 receptor by 98%. A capsule and a tablet formulation containing I were prepared

REFERENCE COUNT: 14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2005 ACS on STM

132:12319

DOCUMENT NUMBER: 1999-764033 CAPLUS

TITLE: Preparation of heterocyclic indole derivatives and mono- or diazindole derivatives as cyclooxygenase-2 (COX-2) inhibitors

INVENTOR(S): Matsuno, Hiroharu; Kato, Nobuaki; Takahashi, Tadakatsu; Maruyama, Noriaki; Ishizawa, Takenori; Suzuki, Yukio

PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan

SOURCE: PCT Int. Appl., 106 pp.

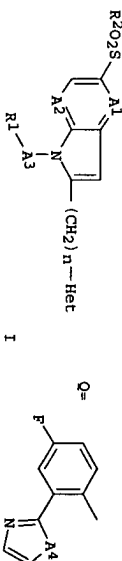
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION: CODEN: PIXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961436	A1	19991202	WO 1999-JP2718	19990525
W: AE, AU, AV, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL, IN, IS, JP, KR, LC, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UN, UZ, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TD, TW				
RW: CH, GM, KE, US, MM, SD, SL, SZ, UG, ZM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BU, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9938511	A1	19991213	AU 1999-38511	19990525
EP 1086950	A1	20010328	EP 1999-921245	19990525
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6673797	B1	20040106	US 2000-701188	20001127
US 2004067964	A1	20040408	US 2003-674488	20031001
PRIORITY APPLN. INFO.:			JP 1998-143957	A 19980526
			JP 1998-323553	A 19981113
			WO 1999-JP2718	W 19990525
OTHER SOURCE(S):			US 2000-701188	A3 20001127
GI			MARPAT 132:12319	



AB Indole derivs. and mono- or diazindole derivs. represented by general formula (I); wherein Het represents an optionally substituted heterocycle; A1 and A2 independently represent each CH or N; A3 represents CH2, CO or SO2; R1 represents 4-fluorophenyl, 5-methyl-4H-1,2,4-triazol-3-yl, 5-methylpyridin-2-yl, 4-methylpiperazin-1-yl, cyclohexyl, pyridin-2-yl, 3,4-dichlorophenyl, 2,4-difluorophenyl, or O; wherein A4 = O, S, or NH; R2 represents linear or branched C1-3 alkyl;

and n is 0, 1 or 2, provided that when A1 and A2 are both CH, then A3 is CH2 or SO2), pharmaceutically acceptable acid-addition salts or base-addition salts thereof or hydrates of the same, which have a COX-2 inhibitory activity and are useful as drugs such as anti-inflammatory agents, are prepared. Thus, 2-(2-furyl)-5-(methanesulfonyl)-H-pyrrolo[2,3-b]pyridine (preparation given) was stirred with NaH in DMF at 0° for 30 min and then stirred with 4-fluorobenzyl bromide for 1 h to give the title compound (11). It showed IC50 of 0.15 and >20 µM against COX-2 and COX-1, resp.

REFERENCE COUNT: 11
THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

18 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:401574 CAPLUS
DOCUMENT NUMBER: 131:58655
TITLE: Process for the alkylation of alkyl- or benzylamines with alkyl halides in the presence of trialkylamine or phosphine catalysts

INVENTOR(S): Hoechst Marion Roussel, Hans-wolfram; Lehnert, Rudolf
PATENT ASSIGNEE(S): Aventis Pharma GmbH
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXNDW

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 924196	A1	19990623	EP 1998-123418	19981209
EP 924196	B1	20030618		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19756091	A1	19990624	DE 1997-19756091	19971217
DE 19803408	A1	19990605	DE 1998-19803408	19980129
AT 243191	E	20030715	AT 1998-123418	19981209
ES 2200260	T3	20031128	PT 1998-123418	19981209
NZ 333375	A	20040301	ES 1998-123418	19981209
CZ 293875	B6	20000526	NZ 1998-333375	19981215
CA 2256941	AA	20040818	CZ 1998-4148	19981215
NO 9805895	AA	19990617	CA 1998-2256941	19981216
AU 9897142	A1	19990618	NO 1998-5895	19981216
AU 740310	B2	20011101	AU 1998-97142	19981216
BR 9805350	A	20000321	BR 1998-5350	19981216
US 6143896	A	20001107	US 1998-212565	19981216
RU 2219165	C2	20031220	RU 1998-122663	19981216
CN 1222505	A	19990714	CN 1998-125573	19981217
CN 1119322	B	20030827		
JP 11263766	A2	19990928	JP 1998-358688	19981217
HK 1020568	A1	20031224	HK 1999-105667	19991203
			DE 1997-19756091	19971217
			DE 1998-19803408	19980129

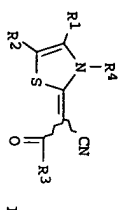
PRIORITY APPLN. INFO: CASREACT 131:58655; MARPAT 131:58655
OTHER SOURCE(S):
AB α,α-Dialkylated alkyl- or benzylamines R1(R2)(R3)CN (R1 = (un)substituted Ph; R2 = (un)substituted Ph; R3 = (un)substituted alkyl; R2 = (un)substituted alkyl) are prepared in high yield and selectively by the alkylation of a nitrile R1CH2CN with an (un)substituted alkyl halide or dialkylamine in the presence of an amine or phosphine catalyst. Thus, PCH2CN was alkylated with chloromethane in the presence of aqueous NaOH solution and triethylamine, producing 2,2-dimethyl-2-phenylacetone in 98% yield.
REFERENCE COUNT: 3
THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

18 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1998:314667 CAPLUS
DOCUMENT NUMBER: 129:50850
TITLE: Antifouling agents containing oxopropionitriles for control of aquatic organisms

INVENTOR(S): Miyaji, Rika
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokyo Koho, 22 pp.
CODEN: JIKXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10130107	A2	19980519	JP 1996-283527	19961025
JP 10130107			JP 1996-283527	19961025
PRIORITY APPLN. INFO: MARPAT 129:50850				
OTHER SOURCE(S):				



AB The antifouling agents contain ≥1 oxopropionitrile I (R1, R2, R4 = H, substituent; R3 = 5- or 6-membered heterocyclyl) as an active ingredient. I (R1 = 2,6-difluorophenyl, R2 = R4 = H, R3 = 5-chloro-3-trifluoromethyl-1-methylpyrazol-4-yl) (2 mg) was dissolved in 1 mL Me2CO, applied to paper within a circle of diameter 4 cm, and dried. Adhesion of Mytilus edulis to the paper was inhibited. 3-(1-Methyl-3,5-dichloropyrazol-4-yl)-2-(4-phenyl-2,3-dihydrothiazol-2-ylidene)-3-oxopropionitrile (0.68 g) was prepared by refluxing 0.8 g 2-cyanomethyl-4-phenylthiazole and 0.85 g 1-methyl-3,5-dichloropyrazole-4-carbonyl chloride in xylene in the presence of 4-dimethylaminopyridine. Formulation examples are given.

18 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1998:163583 CAPLUS
DOCUMENT NUMBER: 128:204879
TITLE: Preparation and formulation of chromene-3-carboxylic acid derivatives as endothelin antagonists
INVENTOR(S): Iebizuka, Natsuki; Matsumura, Ken-ichi; Sakai, Katsunori; Konoike, Toshiro; Yoritani, Tadahiko; Hara, Seiji; Matsuo, Yoshiyuki; et al.
SOURCE: Shtonogi & Co., Ltd., Japan
PATENT ASSIGNEE(S): PCT Int. Appl., 110 pp.
CODEN: PIXXD2

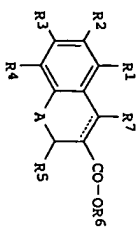
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9808836	A1	19980305	WO 1997-J2916	19970822
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BT, CA, CH, CN, CU, CZ, DE,				

DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZM, AM, AZ, BY, BG, CA, CZ, DE, DK, EE, FI, FR, GB, GR, HE, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

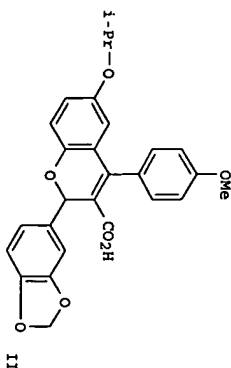
CA 2265671 A 19980305 CA 1997-2265671 19970822
AU 9738679 A 19980319 AU 1997-38679 19970822
EP 924207 A 19990623 EP 1997-915855 19970822

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, CN 1234029 A 19991103 CN 1997-199090 19970822
JP 3076066 B 20000814 JP 1998-502698 19970822
TW 438789 B 20010607 TW 1997-86112147 19970823
KR 2000035838 A 20000626 KR 1999-701525 19990225
US 6218427 B 20010417 US 1999-242898 19990426
JP 1996-225409 A 19960827
JP 1996-270052 A 19961011
WO 1997-JP2316 W 19970822

PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 128:204879
GI



I



II

AB The title compds. I (R1, R2, R3 and R4 independently represent each hydrogen, optionally substituted alkyl, hydroxy, optionally substituted alkoxy, etc.; R5 represents optionally substituted heterocycle, etc.; R6 represents hydrogen, optionally substituted alkyl, etc.; R7 represents hydrogen, optionally substituted alkyl, optionally substituted alkoxy, etc.; A represents S or O; and the broken line means the presence or absence of a bond) are prepared. I are also useful as remedies for peripheral circulatory insufficiency or macrophage foaming inhibitors. In an in vitro test for ETB receptor antagonism, the title compound II showed

IC50 of 0.89 nM; in the in vitro test for ETB receptor antagonism, II showed IC50 of 180 nM.

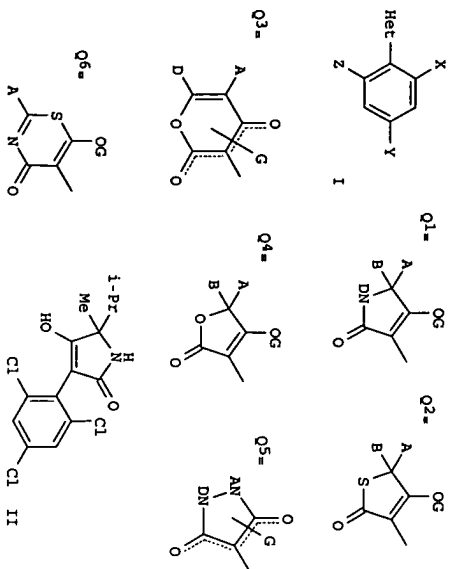
REFERENCE COUNT: 18

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:41800 CAPLUS
DOCUMENT NUMBER: 126:74741
TITLE: Alkyl dihalogenated phenyl-substituted keto enols useful as pesticides and herbicides
INVENTOR(S): Lieb, Folker; Hagemann, Hermann; Wildig, Arno; Ruthner, Michael; Fischer, Retner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorf-Neumann, Ulrike; Dahmen, Peter; Dollinger, Markus; Santel, Hans-Joachim; et al.
PATENT ASSIGNEE(S): Bayer A.-G., Germany; Lieb, Folker; Hagemann, Hermann; Wildig, Arno; Ruthner, Michael; Erdelen, Christoph; Bretschneider, Thomas; Wachendorf-Neumann, Ulrike; et al.
SOURCE: PCT Int. Appl., 231 pp.
CODEN: PIXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9635664	A1	19961114	WO 1996-EP1781	19960429
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MK, NO, NZ, PL, RO, RU, SK, TR, UA, US, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, RM, AT, BE, CH, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 1954567	A1	19961114	DE 1995-1954567	19951206
CA 2220440	AA	19961114	CA 1996-2220440	19960429
AU 9657626	A1	19961129	AU 1996-57626	19960429
EP 825982	A1	19980304	EP 1996-914146	19960429
EP 825982	B1	20021127		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1189153	A	19980729	CN 1996-195072	19960429
CN 111209	B	20031217		
BR 9608239	A	19981229	BR 1996-8229	19960429
JP 11505220	T2	19990518	JP 1996-533707	19960429
ES 2184858	T3	20030416	ES 1996-914146	19960429
CN 1473814	A	20040211	CN 2003-2003136022	19960429
ZA 9603633	A	19961125	ZA 1996-3633	19960508
US 6316486	B1	20011113	US 1997-945664	19971031
US 6380246	B1	20020430	US 1999-404424	19990923
US 200319572	A1	20031023	US 2001-17695	20011214
PRIORITY APPLN. INFO.:				
DE 1995-19516258	A	19950509		
DE 1995-19545467	A	19951206		
WO 1996-EP1718	A2	19960429		
WO 1996-EP1781	W	19960429		
US 1997-945664	B3	19971031		
US 1999-404424	A3	19990923		

OTHER SOURCE(S): MARPAT 126:74741
GI



AB Title compds. I [X = halo, Y, Z = halo or alkyl, provided that 1 of Y and 2 always = halo, and the other = alkyl; Het = 1 of the heterocyclic groups O1-O6; A = H, (halo)alkyl, alkenyl, alkoxyalkyl, (un)substituted cycloalkyl or heterocyclyl, etc.; B = H, alkyl, alkoxyalkyl, D = H, (un)substituted alk(en)yl, alkoxyalkyl, cycloalkyl, aralkyl, heterocyclyl, aryl, etc.; A and B, or A and D, may form (un)substituted carbonyl- or heterocyclic rings; G = various acyl, sulfonyl, or phosphoryl substituents, or metal or ammonium ions] are prepared. Also disclosed are several processes for preparing the compounds, and their use as pesticides and herbicides. For example, the amidation of 2,4-dichloro-6-methylphenylacetic acid with H2N(Me)(1-Pr)CN via the acid chloride using SOCl2 (81%), followed by alcoholysis of the nitrile using H2SO4 and MeOH quench (73%), gave title compound II. In a test against *Myzus persicae* at 0.1%, it gave 100% kill in 6 days. At 250 g/ha preemergence, selected I gave 80-100% kill of 4 weeds with 0-50% damage to Beta vulgaris.

L8 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1994:77518 CAPLUS
 DOCUMENT NUMBER: 120:77518
 TITLE: Sex steroid activity inhibitors
 INVENTOR(S): Labrie, Fernand; Merand, Yves
 PATENT ASSIGNEE(S): Endocheche Inc., Can.
 SOURCE: PCT Int. Appl., 227 pp.
 CODEN: PIXDZ
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9310741	A2	19930610	WO 1992-CM518	19921201
WO 9310741	A3	19940203		
W: AU, BR, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO,				

NZ, PL, PT, RO, RU, SD
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
 BF, BJ, CF, CG, CI, CM, GA, GN, MT, MR, SN, TD, TG
 US 5395842 A 19950307
 AU 9229393 A1 19930628
 AU 681338 B2 19970828
 EP 615448 A1 19940921
 EP 615448 B1 20020502
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE
 RU 2142945 C1 19991220
 AT 216880 B 20020515
 NO 9402027 A 19940704
 FI 9402568 A 19940727
 AU 760232 B2 20030508
 AU 762751 B2 20030703
 AU 2000034056 A5 20000720
 PRIORITY APPLN. INFO.:
 AU 1991-801704 A 19911202
 US 1988-265150 B2 19881031
 US 1989-377010 B2 19890707
 WO 1992-CM518 A 19921201
 AU 1996-46506 A3 19960220
 AU 1997-46772 A3 19971128

OTHER SOURCE(S): MARPAT 120:77518
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Various steroidal and nonsteroidal (diphenylethylene-based) antiestrogens were prepared and/or tested. Pharmaceutical compns. containing various groups and representatives of nonsteroidal compns. are claimed. Included in the disclosure are compds. I [x = 0-6; I and/or G is a polar moiety separated from the B ring by ≥3 intervening atoms; R1, R2 = bond, alkylene, alkenylene, alkynylene, C6H4, or fluoro analogs of these; B = bond, O, S, Se, SO, SO2, NH, CH(OH), NHO, CO2, C6H4, etc.; LG may form N-containing heterocyclic ring; or L = various bivalent groups, mostly CO- or C(S)-based; or G = H, alkenyl, alkynyl, (un)substituted alkyl; Z = alkylene, haloalkylene, (CH2)nO, (CH2)nS, (CH2)nCO, etc.; n = 0-3; R3, R10 = H, OH, halo, alkyl, alkoxy, etc.; R6 = H, alkyl, alkenyl, alkynyl]. For example, compound II was prepared and was 3-fold more active than ZR-75-1 breast cancer cells than its known analog lacking the B-ring Me group. Estradiol derivative III was also prepared and found to act as an antiestrogen and an inhibitor of 17β-hydroxy steroid dehydrogenase.

L8 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1990:118849 CAPLUS
 DOCUMENT NUMBER: 112:118849
 TITLE: Preparation of 2-heterocyclylpyrrole-3,4-dicarboxylates as herbicides
 INVENTOR(S): Patel, Kanu Maganah; Powell, James Edward
 PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B. V., Neth.
 SOURCE: Brit. UK Pat. Appl., 63 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2214180	A1	19890831	GB 1988-591	19880112
PRIORITY APPLN. INFO.: GB 1988-591 19880112				

OTHER SOURCE(S): MARPAT 112:118849

GI For diagram(s), see printed CA issue.

AB The title compds. (I; R, R1 = Cl-4 (halo)alkyl, alkenyl, alkynyl; R2 = Cl-3 alkyl; R3 = H, HOCH2, COR4, CH2O2CR4, SCO2R5; R4 = H, alkyl, alkenyl, alkynyl, cycloalkyl(alkyl), aryl(oxy), (un)substituted heteroarylalkyl, etc.; R4 = alkyl, Ph; J = 5- or 6-membered (un)substituted, optionally benzo-fused heterocycle) were prepared as herbicides, e.g., by cyclocondensation reaction of an alanine amide JCONHCHMeCO2H (II) with an acetylene dicarboxylate in the presence of Ac2O. Thus, isoxazoly carboxylate GCO2Me was saponified with aqueous NaOH and acidified, the resulting acid was coupled with H-Ala(OEt).HCl in the presence of 1,1'-carbonyldiimidazole in dry THF to give the amide II (J = O), which was heated 1 h at 130° with MeO2C.tpIbomd.CO2Me and Ac2O to give I (R = R1 = R2 = Me, R3 = H, J unchanged). The latter at 1.0 lb/acre severely damaged morningglory in a preemergence application. Approx. 41 I were prepared and the herbicidal activity of 39 I was evaluated in pre- and postemergence applications against 16 plant species.

L8 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1990-76939 CAPLUS

DOCUMENT NUMBER: 112:76939

TITLE: Preparation of phytotoxic 2-alkyl-5-(heterocyclic)pyrrole-3,4-dicarboxylates

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

Patent English
CODEN: USXXAM
U.S., 17 pp. Cont. in-part of U.S. Ser. No. 904,323, abandoned.

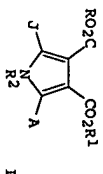
PATENT NO.

PRIORITY APPL. INFO.:

OTHER SOURCE(S):

GI

KIND	DATE	APPLICATION NO.	DATE
US 4853027	A	19890801	US 1987-3233
US 1986-304323	A2	19860908	US 1987-3233



I

AB The title compds. (I; R, R1 = Cl-4 (halo)alkyl, alkenyl, alkynyl; R2 = H, HOCH2, B(CG-6 alkyl)2, R17(O)C, R18CO2CH2, R19OCO2R, R17, R18 = Cl-4 alkyl, C1-3 cycloalkyl, (un)substituted pyridyl, pyridinyl; R19 = C4 alkyl, Ph; A = Cl-3 alkyl; J = (un)substituted pyridyl, etc.) were prepared, CNCH2CO2Me, DBU and anhyd. THF were cooled to 0° followed by addition of Ac2O to give the 5-methyl-4-oxazolecarboxylate which was treated with MeOAc and NaH to give the oxopropionate derivative, which was reacted with Al2O3-supported NaOMe and MeCOCHClCO2Me to give a residue which was mixed with AcONH4, MeOH and AcOH, and refluxed for 3 h to give I (R, R1, A = Me; R2 = H; J = 5-methyl-4-oxazoly) (II). In preemergence (soil) herbicidal activity, I at 1 lb/acre controlled such weeds as Bromus tectorum, Sorghum halepense, Sebania exaltata, Abutilon theophrasti, etc.

L8 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1989:626318 CAPLUS

DOCUMENT NUMBER: 111:225318

TITLE:

INVENTOR(S): Preparation of 1,4-disubstituted piperazines and their use as antagonists of platelet-activating factor

PATENT ASSIGNEE(S): Sugihara, Hirotsada; Itoh, Katsumi; Nishikawa, Kohel

SOURCE: Takeda Chemical Industries, Ltd., Japan

LANGUAGES: Eur. Pat. Appl., 35 pp.

DOCUMENT TYPE: Patent

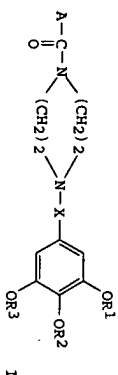
FAMILY ACC. NUM. COUNT: English

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 318235	A2	19890531	EP 1988-311022	19881122
EP 318235	A3	19910502		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 0130570	A2	19890914	JP 1988-295244	19881122
US 4937246	A	19900626	US 1988-274975	19881122

PRIORITY APPL. INFO.:

GI



I

AB The title compds. I (A = (un)substituted Ph, (un)substituted heterocyclic; X = CH2, C(O), C(S); R1, R2, R3 = lower alkyl) or their salts, a means of their preparation, and compns. containing them are provided

for inhibition of platelet-activating factor (PAF). 1-(3-methoxy-5-nitro-4-propoxybenzoyl)-4-(3,4,5-trimethoxybenzyl)piperazine-HCl (II) was prepared from 1-(3,4,5-trimethoxybenzyl)piperazine dihydrochloride and 3-methoxy-5-nitro-4-propoxy-benzoyl chloride (preparation given). II (3 + 10-5M) completely inhibited PAF-induced aggregation of rabbit platelets; 30 mg II/Kg inhibited PAF-induced hypotension in rats.

L8 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1984:22874 CAPLUS

DOCUMENT NUMBER: 100:22874

TITLE:

AUTHOR(S): Total synthesis of heterocyclic steroids

CORPORATE SOURCE: Dep. Chem., Univ. Missouri, Columbia, MO, 65211, USA

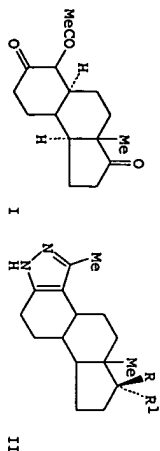
SOURCE: Journal of the Chemical Society, Perkin Transactions

LANGUAGES: (1983), (10), 2353-7

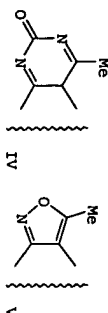
DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Dinorecosterone 1 was prepared in 7 steps from (MeCO)2CH2 and (+)-7 α -methylperhydro-4-phenylsulfonylmethylindan-1,5-dione. Cyclocondensation reactions of I with N2H4, (H2N)2CO, and HONH2.HCl gave bicyclic steroid analogs II (R1 = O) (III), IV (R1 = O), and V (R1 = O (VI)). Addition reactions of III and VI with C2H2 gave II and V (R = OH, R1 = C.Eplbond.CH), resp.



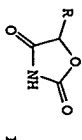
L8 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1983.107278 CAPLUS
 DOCUMENT NUMBER: 98.107278
 TITLE: Hypoglycemic 5-substituted oxazolidine-2,4-diones
 INVENTOR(S): Schmutz, Rodney C.
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: U.S., 18 pp. Cont.-in-part of U.S. Ser. No. 222,202.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4342771	A	19820803	US 1981-252862	19810423
US 4367234	A	19830104	US 1981-222202	19810102
GB 2080803	A	19820210	GB 1981-22524	19810722
GB 2080803	B2	19840118		
HU 30682	O	19840328	HU 1981-2143	19810722
HU 189701	B	19860728		
SU 1194275	A3	19851123	SU 1981-3310552	19810722
PL 133220	B1	19850531	PL 1981-232330	19810723
CS 237320	B2	19850716	CS 1981-5646	19810723
PL 138116	B1	19860830	PL 1981-241198	19810723
PL 138706	B1	19861031	PL 1981-237568	19810723
PL 138853	B1	19861129	PL 1981-237569	19810723
PL 139154	B1	19861231	PL 1981-237570	19810723
SE 8104543	A	19820129	SE 1981-4543	19810724
SE 461039	B	19891218		
SE 461039	C	19900412		
DE 3129275	A1	19820422	DE 1981-3129275	19810724
DE 3129275	C2	19871015		
AT 8103288	A	19840615	AT 1981-3288	19810724
AT 376974	B	19850125		
BE 889758	B	19820127	BE 1981-205506	19810727
FI 8102339	A1	19820127	FI 1981-2339	19810727

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI 75820	B	19880429		
FI 75820	C	19880808		
FR 2487350	A1	19820129		
FR 2487350	B1	19860404		
NO 8102559	A	19820129		
NL 8103538	A	19820216		
DK 8103347	A	19820225		
DK 152650	B	19880405		
DK 152650	C	19880829		
ES 504321	A1	19830101		
DD 202555	A5	19830921		
CA 1161843	A1	19840207		
IL 63424	A1	19850929		
CH 653029	A	19851213		
JP 63035632	B4	19880715		
US 4431810	A	19840214		
ES 514316	A1	19830416		
ES 514314	A1	19830501		
ES 514315	A1	19830501		
SU 1151207	A3	19850415		
SU 1264841	A3	19861015		
SU 1227114	A3	19860423		
AU 555134	B2	19860911		
AU 8290353	A1	19830324		
GB 2128184	A1	19840426		
GB 2128184	B2	19840815		
GB 2131422	A1	19840620		
GB 2131422	B2	19841205		
GB 2134104	A1	19840808		
GB 2134104	B2	19850206		
GB 2134105	A1	19840808		
GB 2134105	B2	19850116		
CS 237346	B2	19850716		
CS 237347	B2	19850716		
CS 237348	B2	19850716		
US 4565820	A	19860121		
US 4565820	A	19840615		
AT 8400538	A	19850125		
AT 376975	B	19840615		
AT 8400539	B	19840615		
AT 376976	A	19850125		
AT 8400540	B	19840615		
AT 376977	A	19850125		
US 4689336	B	19850125		
US 4753956	A	19870825		
US 4812471	A	19880628		
US 4812471	A	19890314		

OTHER SOURCE(S):
 GI CASREACT 98.107278

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1981-14542				
FR 1981-2559				
NL 1981-3538				
DK 1981-3347				
ES 1981-504321				
DD 1981-232129				
CA 1981-382568				
IL 1981-63424				
CH 1981-4878				
JP 1981-117572				
US 1982-380176				
ES 1982-514316				
ES 1982-514314				
ES 1982-514315				
SU 1982-3482651				
SU 1982-3482652				
SU 1982-3482652				
AU 1982-90353				
GB 1983-17147				
GB 1983-17146				
GB 1983-17142				
GB 1983-17143				
CS 1983-8032				
CS 1983-8033				
CS 1983-8034				
US 1984-574236				
AT 1984-538				
AT 1984-539				
AT 1984-540				
US 1985-783982				
US 1987-55438				
US 1988-153622				
US 1988-173206				
US 1981-222202				
US 1981-252961				
IN 1981-DE365				
GB 1981-22524				
CS 1981-5646				
AT 1981-3288				
US 1981-380176				
US 1984-574236				
US 1985-783982				
US 1987-55438				

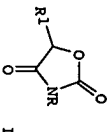


AB Hypoglycemic 5-substituted 2,4-oxazolidinediones [I, R = (substituted) 8-chloromethyl, 2-pyridyl, 3-indolyl, 3-pyridyl, etc.] were prepared by several known procedures. Thus, treatment of allouan hydrate with 1-phenylpyrrole in refluxing EtOH-HCl gave 5-hydroxy-5-(1-phenyl-2-pyridyl)-2,4,6(1H,3H,5H)-pyrimidinetrione which, upon heating in N NaOH, gave I (R = 1-phenyl-2-pyridyl), which produced 32% lowering of blood glucose level in rats in 1 h at 100 mg/kg.

L8 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1982:423775 CAPLUS
DOCUMENT NUMBER: 97:23775
TITLE: 5-Substituted oxazolidine-2,4-diones having hypoglycemic activity
INVENTOR(S): Schnur, Rodney Caughren
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Fr. Demande, 130 pp.
CODEN: FRXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2487350	A1	19820129	FR 1981-14542	19810727
FR 2487350	B1	19860404		
US 4367234	A	19830104	US 1981-222202	19810102
US 4367234	A	19820601	US 1981-252961	19810423
US 4342771	A	19820803	US 1981-252962	19810423
AU 555134	B2	19860911	AU 1982-90353	19821110
AU 8290353	A1	19830324		

PRIORITY APPLN. INFO.:



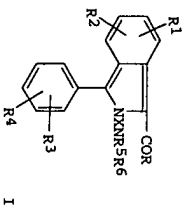
AB Oxazolidinediones I (R = H, acyl, alkoxy, carbonyl, carbanoyl; R1 = heterocyclic) were prepared. Thus, treating 8-bromo-6-chloroquinoline with di-Et oxalate gave Et 2-(6-chloro-8-quinolyl)-2-hydroxyacetate (II). Amidating II with NH4OH and cyclizing with KOAc gave I (R = H, R1 = 6-chloro-8-quinolyl) which at 10 mg/kg in the glucose tolerance test in rats gave a 16% decrease in blood sugar level.

L8 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1979:420321 CAPLUS
DOCUMENT NUMBER: 91:20321
TITLE: Isoindole derivatives
INVENTOR(S): Jaunin, Roland
PATENT ASSIGNEE(S): Hoffmann-La Roche, F., and Co. A.-G., Switz.
SOURCE: Patentschrift (Switz.), 6 pp.
CODEN: SWXXAS

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 610304	A	19790412	CH 1977-14704	19741128
CH 605749	A	19781013	CH 1974-15795	19741128
US 4090027	A	19780516	US 1976-718658	19760825
			CH 1974-15795	19741128
			US 1975-633514	A3 19751120

PRIORITY APPLN. INFO.:



AB Aminoalkylisoindolines I (COR = ester, amide; R1-R4 = H, alkyl, alkoxy, halo, CF3; R5, R6 = alkyl, cycloalkyl, cycloalkylalkyl, alkoxyalkyl, aryl, aralkyl; NR5R6 heterocyclic; X = C-10 alkylene) were prepared. Thus 7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one was treated with NaH and (EtO)2CO to give Et 5-chloro-3-phenyl-1-isoindolecarboxylate, which was treated with NaH and ClCH2CH2NEt2.HCl to give I (R = OEt, R1-R4 = H, R5 = R6 = Et, II). II had an appetite depressant Ed65 of 42 mg/kg orally in rats.

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